



FIG. 1



P4		P1	1
1	MWSWKCLLFWAVLVTATLCTARPSPTLPEQAQPWGAPVEVESFLVHPGDLQLRCRLRDDVQSINWLRDGVQLAE		75
2	MWSWKCLLFWAVLVTATLCTARPSPTLPEQAQPWGAPVEVESFLVHPGDLQLRCRLRDDVQSINWLRDGVQLAE		75
3	MWSWKCLLFWAVLVTATLCTARPSPTLPEQ		30
4	MWSWKCLLFWAVLVTATLCTARPSPTLPEQ		30
5	MWSWKCLLFWAVLVTATLCTARPSPTLPEQ		30
6	MWSWKCLLFWAVLVTATLCTARPSPTLPEQ		30
ARR			
	SNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSSSEDDDDDDSSSEEKETDNTKPN	P	148
	SNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSSSEDDDDDDSSSEEKETDNTKPNRMP	P	150
		DALPSSSEDDDDDDSSSEEKETDNTKPN	P 59
		DALPSSSEDDDDDDSSSEEKETDNTKPNRMP	P 61
		DALPSSSEDDDDDDSSSEEKETDNTKPN	P 59
		DALPSSSEDDDDDDSSSEEKETDNTKPNRMP	P 61
2			
	VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSTPNPTLRWLKNGKEFKPDHRIGGYKVRYATWSIIMDSVVP SDK		223
	VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSTPNPTLRWLKNGKEFKPDHRIGGYKVRYATWSIIMDSVVP SDK		225
	VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSTPNPTLRWLKNGKEFKPDHRIGGYKVRYATWSIIMDSVVP SDK		134
	VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSTPNPTLRWLKNGKEFKPDHRIGGYKVRYATWSIIMDSVVP SDK		136
	VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSTPNPTLRWLKNGKEFKPDHRIGGYKVRYATWSIIMDSVVP SDK		134
	VAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSTPNPTLRWLKNGKEFKPDHRIGGYKVRYATWSIIMDSVVP SDK		136
P2			
	GNYTCIVENEYGSINHTYQLDVVERSHPRLQAGLPANKTVALGNSVEFMCKVYSDPQPHIQWLKHIEVNGSKI		298
	GNYTCIVENEYGSINHTYQLDVVERSHPRLQAGLPANKTVALGNSVEFMCKVYSDPQPHIQWLKHIEVNGSKI		300
	GNYTCIVENEYGSINHTYQLDVVERSHPRLQAGLPANKTVALGNSVEFMCKVYSDPQPHIQWLKHIEVNGSKI		209
	GNYTCIVENEYGSINHTYQLDVVERSHPRLQAGLPANKTVALGNSVEFMCKVYSDPQPHIQWLKHIEVNGSKI		211
	GNYTCIVENEYGSINHTYQLDVVERSHPRLQAGLPANKTVALGNSVEFMCKVYSDPQPHIQWLKHIEVNGSKI		209
	GNYTCIVENEYGSINHTYQLDVVERSHPRLQAGLPANKTVALGNSVEFMCKVYSDPQPHIQWLKHIEVNGSKI		211
P3			
	GPDNLPHYQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAVMTSPLYL		373
	GPDNLPHYQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAVMTSPLYL		375
	GPDNLPHYQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAVMTSPLYL		284
	GPDNLPHYQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAVMTSPLYL		286
	GPDNLPHYQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAVMTSPLYL		284
	GPDNLPHYQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAVMTSPLYL		286
TM			
	EIIYCTGAFLISCMVGSVIVYKMKSGTKKSDFHSMVAHVHLAKS IPLRRQVTVSADSSASMNSGVLLVRP S RLS		448
	EIIYCTGAFLISCMVGSVIVYKMKSGTKKSDFHSMVAHVHLAKS IPLRRQVTVSADSSASMNSGVLLVRP S RLS		450
	EIIYCTGAFLISCMVGSVIVYKMKSGTKKSDFHSMVAHVHLAKS IPLRRQVTVSADSSASMNSGVLLVRP S RLS		359
	EIIYCTGAFLISCMVGSVIVYKMKSGTKKSDFHSMVAHVHLAKS IPLRRQVTVSADSSASMNSGVLLVRP S RLS		361
	EVSWEQRAAGMGGAGL*		300
	EVSWEQRAAGMGGAGL*		302
TK			
	SSGTPMLAGVSEYELPEDPRWELPRDLVLGKPLGEGCFGQVVLAEAIGLDKDKPNRVTKVAVKMLKSDATEKDL		523
	SSGTPMLAGVSEYELPEDPRWELPRDLVLGKPLGEGCFGQVVLAEAIGLDKDKPNRVTKVAVKMLKSDATEKDL		525
	SSGTPMLAGVSEYELPEDPRWELPRDLVLGKPLGEGCFGQVVLAEAIGLDKDKPNRVTKVAVKMLKSDATEKDL		434
	SSGTPMLAGVSEYELPEDPRWELPRDLVLGKPLGEGCFGQVVLAEAIGLDKDKPNRVTKVAVKMLKSDATEKDL		436
	SDLISEMEMMKMIGKHKNIINLLGACTQDGPPLYVIVEYASKGNLREYLQARRPPGLECYNP SHNPEEQ LSSKDL		598
	SDLISEMEMMKMIGKHKNIINLLGACTQDGPPLYVIVEYASKGNLREYLQARRPPGLECYNP SHNPEEQ LSSKDL		600
	SDLISEMEMMKMIGKHKNIINLLGACTQDGPPLYVIVEYASKGNLREYLQARRPPGLECYNP SHNPEEQ LSSKDL		509
	SDLISEMEMMKMIGKHKNIINLLGACTQDGPPLYVIVEYASKGNLREYLQARRPPGLECYNP SHNPEEQ LSSKDL		511
	VSCAYQVARGMEYLASKKCIHRDLAARNVLVTEDNVMK IADFG LARDIHHIDYKKT TNGRLPVK WMAPEALFDR		673
	VSCAYQVARGMEYLASKKCIHRDLAARNVLVTEDNVMK IADFG LARDIHHIDYKKT TNGRLPVK WMAPEALFDR		675
	VSCAYQVARGMEYLASKKCIHRDLAARNVLVTEDNVMK IADFG LARDIHHIDYKKT TNGRLPVK WMAPEALFDR		584
	VSCAYQVARGMEYLASKKCIHRDLAARNVLVTEDNVMK IADFG LARDIHHIDYKKT TNGRLPVK WMAPEALFDR		586
TK			
	IYTHQSDVWSFGVLLWEIFTLGGSPYPGPVVEELFKLLKEGHRMDKPSNCTNELYMMMRDCWHAVPSQRPTFKQL		748
	IYTHQSDVWSFGVLLWEIFTLGGSPYPGPVVEELFKLLKEGHRMDKPSNCTNELYMMMRDCWHAVPSQRPTFKQL		750
	IYTHQSDVWSFGVLLWEIFTLGGSPYPGPVVEELFKLLKEGHRMDKPSNCTNELYMMMRDCWHAVPSQRPTFKQL		659
	IYTHQSDVWSFGVLLWEIFTLGGSPYPGPVVEELFKLLKEGHRMDKPSNCTNELYMMMRDCWHAVPSQRPTFKQL		661
	VEDLDRIVALTSNQEYLDLSMPLDQYSPSPDTRSSSTCSSGEDSVFSHEPLPEEPC LPRHPAQLANGGLKRR*		820
	VEDLDRIVALTSNQEYLDLSMPLDQYSPSPDTRSSSTCSSGEDSVFSHEPLPEEPC LPRHPAQLANGGLKRR*		822
	VEDLDRIVALTSNQEYLDLSMPLDQYSPSPDTRSSSTCSSGEDSVFSHEPLPEEPC LPRHPAQLANGGLKRR*		731
	VEDLDRIVALTSNQEYLDLSMPLDQYSPSPDTRSSSTCSSGEDSVFSHEPLPEEPC LPRHPAQLANGGLKRR*		733

FIG. 2